

Power View and PowerPivot: High-Octane Self-Service

Reporting

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SQL Server
CONNECTIONS

We are excited to host one of the SQL Server 2012 Launch events!

Presenter Introduction

- Mentor
- BI Solution Architect
- Author
- Microsoft certified consultant & trainer



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History & Future of PowerPivot

- Project Gemini
- Analysis Services:
 - UDM / Multidimensional optimized for storage
 - Tabular optimized for memory
- VertiPaq
- VertiScan

Model Options

- PowerPivot on the desktop
- PowerPivot in SharePoint
- Tabular model designer
- Import PowerPivot model as tabular project
- Import PowerPivot to tabular database

PowerPivot Gallery

Flight Delay Analysis
Last Modified By: System Account Date: 3/28/2012
Created By: System Account

Hospital Compare powerpivot model
Last Modified By: System Account Date: 3/11/2012
Created By: System Account

Quality by Hoop
Owner Type

Mortality
Readmission

Sheet1

Data for Sheet7
Chart 2

Sheet7

Sheet4

Di
C3

Flight Delay Analysis

Last Modified By: System Account Date: 3/28/2012
Created By: System Account

Weather Delay Ptz by Month, Time, State

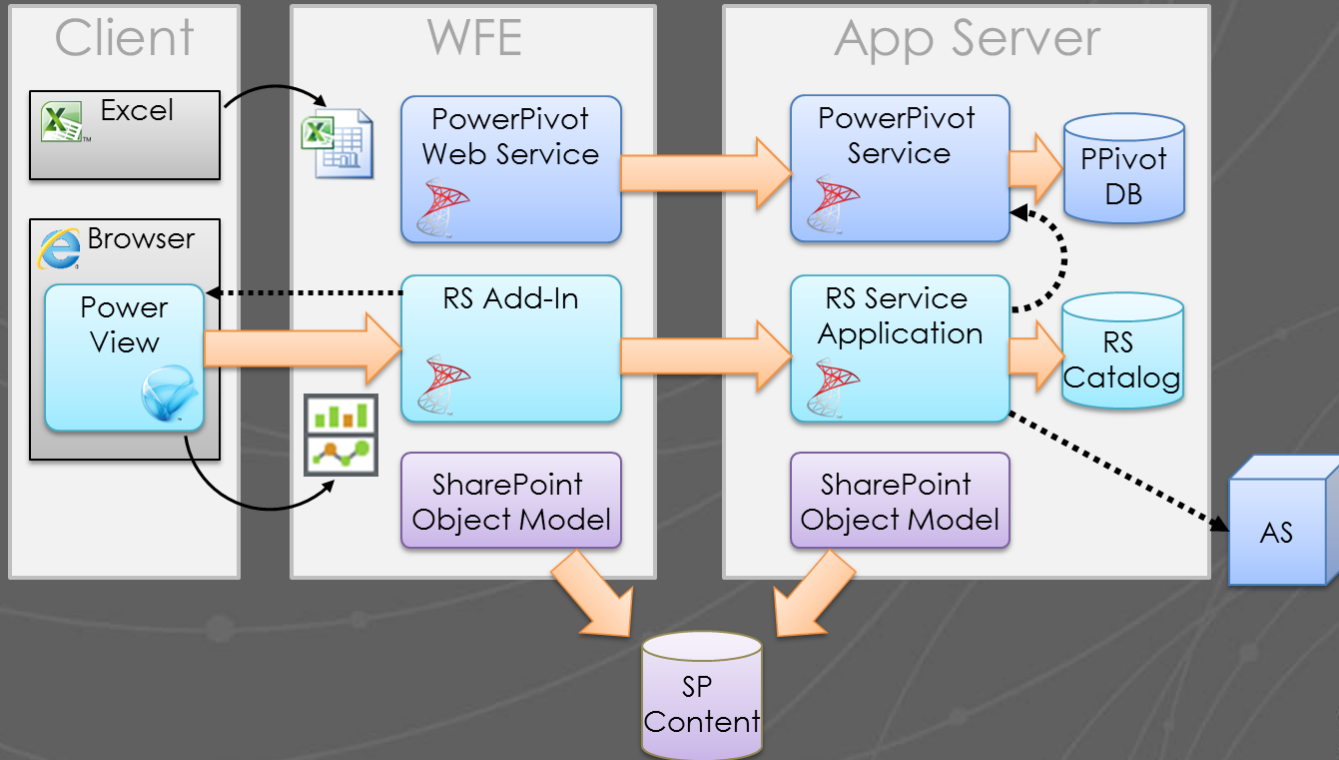
Flights On-Time By Carrier

551597
Flight Count

American Airlines

Avg Carrier Delays by Airport, Weekday

Architecture



Data Source Management

BISM Connection

Home > Edit AS Link File: FAA

Home Document Center News Search Sites

BI Semantic Model Connection

Create a connection to a BI Semantic Model that is hosted on an Analysis Services server or embedded within a PowerPivot workbook. Once created, you can use the URL of the BI Semantic Model Connection as a data source for Excel workbooks, Power View reports, or other client applications that connect to BI Semantic Models.

File Name
FAA .bism

Description

Connection Information

Specify the location of a BI Semantic Model. For PowerPivot workbooks, enter a complete URL to a workbook hosted in a SharePoint farm running PowerPivot for SharePoint. If the BI Semantic Model is hosted directly on an Analysis Services server, enter the server name and database name. [Click here to learn more about this page.](#)

Workbook URL or Server Name
localhost

Database (if connecting to a server)
FAA

OK Cancel

RSDS Connection

Use this page to edit a data source that can be shared by reports, models, or shared datasets.

OK Cancel

Name *
FAA .rds

Data Source Type
Microsoft BI Semantic Model for Power View

Connection string
Enter a connection string for accessing the report data source.
data source='MyServer\InstanceName'; initial catalog=FAA

Credentials
Enter the credentials used by the report server to access the report data source.

Windows authentication (integrated) or SharePoint user
 Prompt for credentials
Provide instructions or example:
Type or enter a user name and password to access:
 Use as Windows credentials
 Stored credentials
User Name:
Password:
 Use as Windows credentials
 Set execution context to this account
 Credentials are not required

Test Connection

Availability
 Enable this data source

OK Cancel

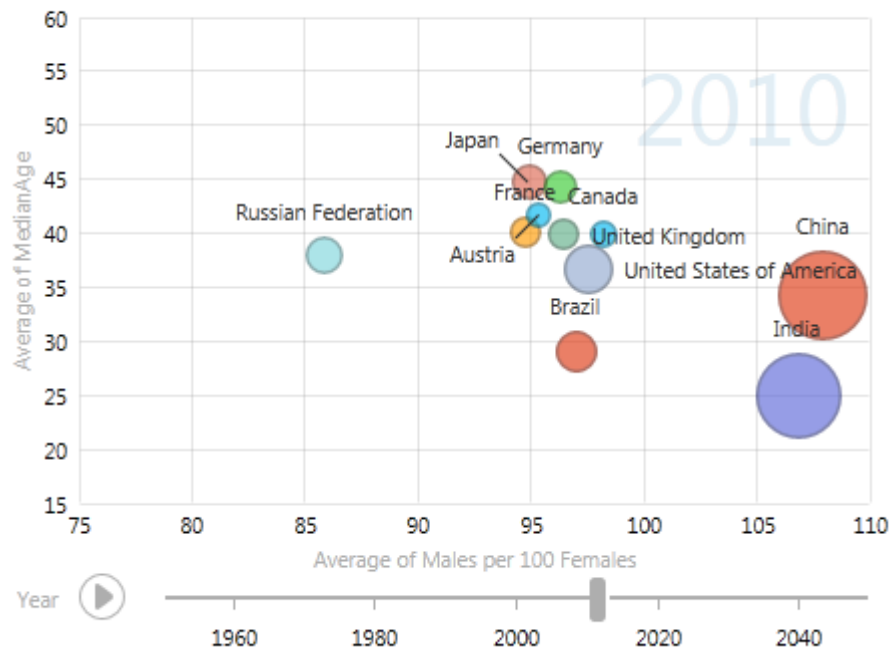
Power View Design Experience

The screenshot displays the Microsoft Power View interface with a chart titled "Weather Delay Pct by Month, Time, State". The chart is a grid of line plots for various US states, showing weather delay percentages over time for AM and PM. Red arrows point to several key design areas:

- Ribbon Area:** Points to the top ribbon containing tabs like File, Home, Styles, Design, and Layout, and a group of visualization tools (Table, Matrix, Column, Bar, Line, Scatter, Clustered, Tiles, Bring Forward, Send Backward).
- View Sorter:** Points to the left sidebar showing a list of views, with "Weather Delay Pct by Month, Time, State" selected.
- View / Canvas:** Points to the main area where the chart is displayed.
- Filters Area:** Points to the "filters" pane on the right, which includes a "view" section for "AM or PM" and a "chart" section for "Weather Delay Pct".
- Field Layout Area:** Points to the "Field List" pane on the right, which shows a list of fields like "Destination States", "Destinations", "DistanceGroup", "Diversions", "Late Departure Group", "Months", "OnTimePerformance2009", "Origin States", and "Origins". It also includes a "Tile by:" section and a "Values:" section with a dropdown for "Weather Delay Pct".

Picture Management

Average of Males per 100 Females, Average of MedianAge, and Average of





File



Edit Report



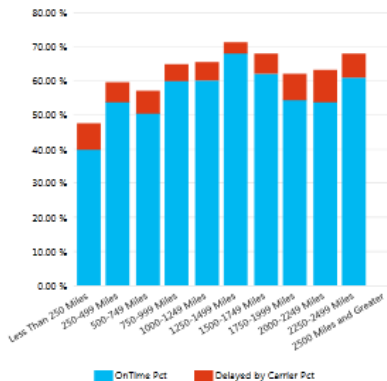
Full Screen Mode



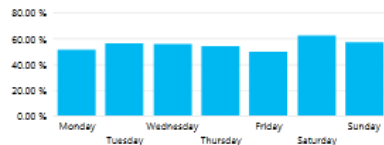
Flights On-Time By Carrier



OnTime Pct, and Delayed by Carrier Pct by Distance Group



OnTime Pct by Weekday

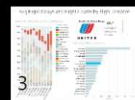


OnTime Pct by MonthName



Weather Delayed Percentage by State

Multiples



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Resources

- Paul's blog: SQLServerBiBlog.com
- Articles: SolidQ.com/Journal
- Contact: Pturley@SolidQ.com

- All of the sample content used in this presentation will be available for download with the Wrox Professional SSRS 2012 book when released:
<http://www.wrox.com/WileyCDA/WroxTitle/Professional-Microsoft-SQL-Server-2012-Reporting-Services.productCd-1118101111.html>

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desk.

Thank you!